



PD: ∞-∞-∞

P: 1-2 (2)

Substance

Beilstein Registry Number	7581786
Chemical Name	(3-decyloxy-propenyl)-benzene
Autoname	(3-decyloxy-propenyl)-benzene
Molecular Formula	C ₁₉ H ₃₀ O
Molecular Weight	274.45
Lawson Number	5350, 362
Structure Keyword	Stereo compound
Compound Type	isocyclic
Constitution ID	6430591
Tautomer ID	7109167
Beilstein Reference	6-06
Entry Date	1997/04/28
Update Date	1998/03/04

Reaction 1 of 2

Reaction ID	<u>4557653</u>
Reactant BRN	<u>5616638</u> decan-1-ol; sodium salt
Product BRN	<u>1098930</u> (3-bromo-1-propenyl)benzene 7581786 (3-decyloxy-propenyl)-benzene
No. of Reaction Details	1
Reaction Classification	Preparation
Reagent	tetrabutylammonium iodide

Ref. 1 6042944; Journal; Ochiai, Masahito; Ito, Takao; Takahushi, Hideo; Nakanishi, Akinobu; Toyonari, Mika; et al.; JACSAT; J.Amer.Chem.Soc.; EN; 118; 33; 1996; 7716-7730;

Reaction 2 of 2

Reaction ID	<u>4585338</u>
Reactant BRN	7581786 (3-decyloxy-propenyl)-benzene
Product BRN	<u>3203471</u> <i>trans</i> -cinnamic acid decyl ester
No. of Reaction Details	1
Reaction Classification	Preparation
Yield	72 percent (BRN=3203471)
Reagent	1-(tert-butylperoxy)-1,2-benziodoxol-3(1H)-one, Cs ₂ CO ₃
Solvent	cyclohexane
Time	51 hour(s)
Temperature	25 C

Ref. 1 6042944; Journal; Ochiai, Masahito; Ito, Takao; Takahushi, Hideo; Nakanishi, Akinobu;

Nuclear Magnetic Resonance 1 of 2

Description	Chemical shifts
Nucleus	^1H
Solvents	CDCl_3
Ref. 1	<u>6042944</u> ; Journal; Ochiai, Masahito; Ito, Takao; Takahushi, Hideo; Nakanishi, Akinobu; Toyonari, Mika; et al.; JACSAT; J.Amer.Chem.Soc.; EN; 118; 33; 1996; 7716-7730;

Nuclear Magnetic Resonance 2 of 2

Description	Spin-spin coupling constants
Solvents	CDCl_3
Note 1	^1H - ^1H
Ref. 1	<u>6042944</u> ; Journal; Ochiai, Masahito; Ito, Takao; Takahushi, Hideo; Nakanishi, Akinobu; Toyonari, Mika; et al.; JACSAT; J.Amer.Chem.Soc.; EN; 118; 33; 1996; 7716-7730;